

Belton Dam and Belton Lake

OWNER

The U.S. Government. Operated by the U.S. Army Corps of Engineers, Fort Worth District.

ENGINEER (Design)

U.S. Army Corps of Engineers.

LOCATION

On the Leon River in Bell County, 3 miles north of Belton.

DRAINAGE AREA

3,560 square miles.

DAM

TypeEarthfill

Length5,524 ft including spillway and dike

Maximum height192 ft

Top width30 ft

SPILLWAY

TypeBroad-crested weir

Length1,300.0 ft

Crest elevation631.0 ft above msl

ControlNone

OUTLET WORKS

Type1 conduit, 22 ft diameter with 3 inlets ts

Invert elevation483.0 ft above msl

Control3 broome-type gates, each 7 by 22 ft

AUTHORIZATION

Federal: Flood Control Act, July 24, 1946.

Modified by the Flood Control Act, September 3, 1954.

State: Permit No. 1725 (Application No. 1815A) October 27, 1954, to the U.S. Government to divert 12,000 acre-feet of water annually for use at Fort Hood.

Permit No. 2108 (Application No. 2293) July 24, 1964, to Brazos River Authority with the right to impound 457,600 acre-feet of water and to divert annually 95,000 acre-feet for municipal use, 150,000 acre-feet for industrial use, and 150,000 acre-feet for irrigation. Diversion with priority of rights is limited to 110,000 acre-feet annually.

RESERVOIR DATA (Based on surveys dated 1936, 1937, and 1948)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	662.0	—	—
Maximum design water surface	656.9	1,876,700	37,340
Spillway crest	631.0	1,097,600	23,620
Top of conservation storage space	594.0	457,600	12,300
Invert lowest intake	483.0	278	42
Streambed	470.0	0	0
Sediment reserve space	—	84,900	—
Usable conservation storage space	—	372,700	—

GENERAL

Construction startedJuly 1949

Deliberate impoundment of water beganMarch 8, 1954

Dam completedDecember 15, 1954

General contractorJ. W. Moorman and Son, Snyder, Texas

Estimated project cost\$13,804,000

